

IN THE CLAIMS:

Please amend the claims, as follows.

Claim 1 (currently amended): A physical property measuring probe used in a physical property measuring apparatus that measures a complex dielectric constant of a measured object to measure a physical property value of the measured object, such as a water content, on the basis of the measured complex dielectric constant, the probe having an internal electrode serving as a core wire and an external electrode arranged coaxially with the internal electrode, the probe comprising forming an end surface thereof obliquely to an axial direction of the internal electrode so that an electrical length increases without increasing a diameter of the probe and the probe can be easily stuck into the measured object; and an angle of the end surface is set so as to obtain a desired electric length so that an appropriate sensitivity can be realized even if the probe is thin.

Claim 2 (original): The physical property measuring probe according to claim 1, wherein the probe is detachably attached to a flexible probe-attached cable provided in the physical property measuring apparatus through coupling means.

Claim 3 (original): The physical property measuring probe according to claim 2, wherein the probe is attached to the coupling means by a threaded structure.

Claim 4 (original): The physical property measuring probe according to claim 1, wherein a temperature sensor is arranged in the vicinity of the end surface.